

Linzer biol. Beitr.	40/1	405-408	10.7.2008
---------------------	------	---------	-----------

## New records of Proteininae (Staphylinidae) from Turkey

S. ANLAŞ & S. TEZCAN

**A b s t r a c t :** Three species are reported from Turkey for the first time. Including the new records, a total of 11 species belonging to three genera of Proteininae has been recorded from Turkey. A checklist of the Proteininae species of Turkey is compiled.

**K e y w o r d s :** Staphylinidae, Proteininae, fauna, new records, Turkey.

### Introduction

The Proteininae is a small subfamily of Staphylinidae. It comprises 11 genera and 193 species worldwide, 95 of which occur in the Palaearctic region (HERMAN 2001, SMETANA 2004). Proteininae species are found in fungi, under bark, in leaf litter and in decaying vegetation where they are believed to be mycophagous or saprophagous (NEWTON et al. 2001).

The Proteininae fauna of Turkey has been poorly studied. Including the new records listed below, a total of 11 species belonging to three genera have been reported.

The material examined is deposited in the following collections:

LEMT.....Lodos Entomological Museum, Plant Protection Department of Ege University, Izmir, Turkey (S. Tezcan)

cAnl.....private collection S. Anlaş, Izmir, Turkey

### New and additional records of Proteininae from Turkey

#### *Metopsia assingi* ZERCHE 1998

**A d d i t i o n a l   m a t e r i a l   e x a m i n e d :** 1 ex., Izmir, Bozdağlar, 7 km N Bozdağ, 850 m, pitfall traps, ca. 38°24'N, 28°05'E, 01.VII.2001, det. A. Zanetti; 1 ex., same locality, 31.VII.2001 det. S. Anlaş (LEMT).

#### *Proteinus creticus* ASSING 2004

**M a t e r i a l   e x a m i n e d :** 1 ex., Izmir, Bozdağlar, SE Gölcük lake, 1040 m, pine and oak litter, sifted, ca. 38°18'N, 28°02'E, 01.IV.2006, leg. S. Anlaş, det. A. Zanetti (cAnl).

**Comments:** This recently described species was previously known only from Crete (ASSING 2004). The species is reported from Turkey for the first time (Map 1).

***Proteinus ovalis* STEPHENS 1834**

**Material examined:** 1 ex., Izmir, Bozdağlar, 7 km N Bozdağ, 850 m, pitfall traps, ca. 38°24'N, 28°05'E, 14.IV.2001, det. S. Anlaş; 1 ex., same locality, 28.IV.2001, det. A. Zanetti (LEMT); 2 exs., Manisa, Turgutlu, Ovacık Yaylası, 1025 m, pine and oak litter, sifted, ca. 38°21'N, 27°51'E, 18.V.2006, leg. and det. S. Anlaş (cAnl).

**Comments:** According to SMETANA (2004), this species is widespread in Europe. The species is reported from Turkey for the first time.

***Proteinus utrarius* ASSING 2004**

**Additional material examined:** 1 ex., Izmir, Bozdağlar, 7 km N Bozdağ, 850 m, pitfall traps, ca. 38°24'N, 28°05'E, 01.VII.2001, det. A. Zanetti (LEMT).

***Proteinus zanettii* DAUPHIN 1999**

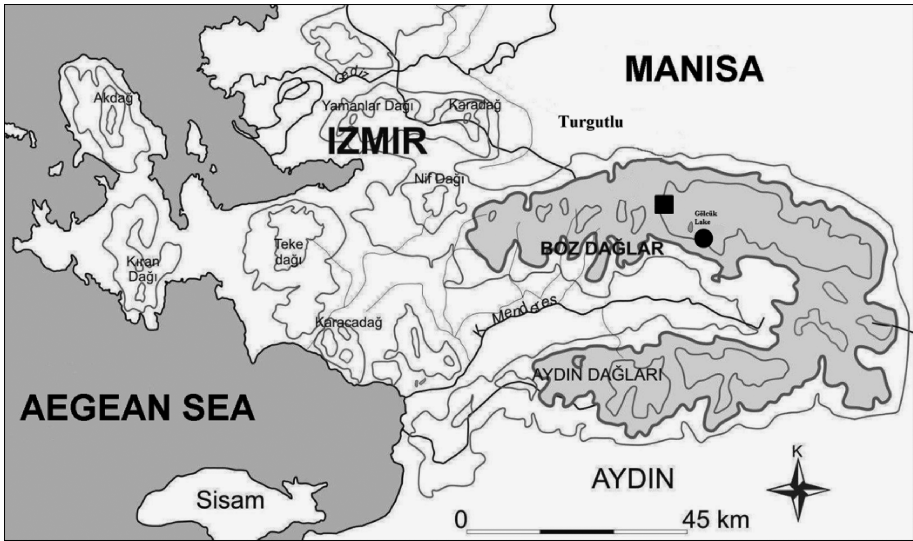
**Material examined:** 2 exs., Izmir, Bozdağlar, SE Turgutlu, 840 m, pine and decaying fungi litter, sifted, ca. 38°22'N, 27°56'E, 21.V.2006, leg. S. Anlaş, det. A. Zanetti (cAnl).

**Comments:** *Proteinus zanettii* was known only from Greece (DAUPHIN 1999; ASSING 2004). The species is reported from Turkey for the first time (Map 1).

**Checklist of the Proteininae of Turkey**

<b>Taxon</b>	<b>Provinces or localities</b>	<b>References</b>
<i>Megarthus</i> STEPHENS 1829		
<i>Megarthus bellevoeyi</i> SAULCY 1862	Not locality cited	HORION (1963), SMETANA (2004)
<i>Megarthus denticollis</i> (BECK 1817)	Toros Dağları	PEYRON (1858)
<i>Metopsia</i> WOLLASTON 1854		
<i>Metopsia assingi</i> ZERCHE 1998	Antalya, Izmir	ZERCHE (1998), HERMAN (2001), ANLAS & TEZCAN (present paper)
<i>Metopsia similis</i> ZERCHE 1998	Artvin	ZERCHE (1998)
<i>Proteinus</i> LATREILLE 1797		
<i>Proteinus atomarius</i> ERICHSON 1840	Bolu (Düzce: Akçahoca)	KORGE (1971)
<i>Proteinus brachypterus</i> (FABRICIUS 1792)	Not locality cited	HERMAN (2001), SMETANA (2004)
<i>Proteinus creticus</i> ASSING 2004	Izmir	ANLAS & TEZCAN (present paper)
<i>Proteinus meuseli</i> DAUPHIN 1999	Izmir	ASSING (2007)
<i>Proteinus ovalis</i> STEPHENS 1834	Izmir, Manisa	ANLAS & TEZCAN (present paper)
<i>Proteinus utrarius</i> ASSING 2004	Adana, Antakya,	ASSING (2004), ANLAS &

Taxon	Provinces or localities	References
	Antalya, Gaziantep, Kahramanmaraş, Mersin, Muğla, İzmir	TEZCAN (present paper)
<i>Proteinus zanettii</i> DAUPHIN 1999	Izmir	ANLAS & TEZCAN (present paper)



**Map 1.** Distribution of *Proteinus creticus* (circle) and *Proteinus zanettii* (square) in western Anatolia, Turkey.

**Acknowledgements**

Authors are most grateful to Dr. Adriano Zanetti (Verona) for the identification of the material and Dr. Volker Assing (Hannover) proof-read the manuscript.

**Zusammenfassung**

Drei Arten der Familie Staphylinidae, Unterfamilie Proteininae, werden erstmals aus der Türkei nachgewiesen. Einschließlich der Neunachweise sind derzeit 11 Proteininenarten aus 3 Gattungen aus der Türkei bekannt. Für die derzeit bekannten türkischen der Proteininae-Arten wird eine Checklist erstellt.

**References**

ASSING V. (2004): New species and records of Staphylinidae from Greece (Insecta: Coleoptera). — Linzer biol. Beitr. **36** (2): 593-613.

- ASSING V. (2007): New species and additional records of Staphylinidae from Turkey V (Coleoptera). — Stuttgarter Beiträge zur Naturkunde Serie A (Biologie) **700**: 1-64.
- DAUPHIN P. (1999): Description de deux nouveaux *Proteinus* méditerranéens (Coleoptera, Staphylinidae). — Bull. Soc. linn. Bordeaux **27**: 135-141.
- HERMAN L.H. (2001): Catalog of the Staphylinidae (Insecta: Coleoptera). 1758 to the end of the second millennium. Volumes I-VII. — Bulletin of the American Museum of Natural History **265**: 1-4218.
- HORION A. (1963): Faunistik der mitteleuropäischen Käfer. Staphylinidae. 1. Micropeplinae bis Euaesthetinae. — Überlingen-Bodensee: A. Feyel: 1-412.
- KORGE H. (1971): Beiträge zur Kenntnis der Kolenopterenfauna Kleinasien. — Annat. Zool. Bot. **67**: 1-68.
- NEWTON A.F., THAYER M.K., ASHE J.S. & D.S. CHANDLER (2001): Family 22. Staphylinidae Latreille, 1802. — In: ARNETT R.H., Jr. & M.C. THOMAS (eds), American Beetles, Vol. **1**. Archostemata, Myxophaga, Adephaga, Polyphaga: Staphyliniformia. — CRC Press, Boca Raton, USA: 272-418.
- PEYRON E. (1858): Catalogue des Coléoptères des environs de Tarsous (Caramanie), avec la description des espèces nouvelles. — Annales de la Société Entomologique de France (3) **6**: 353-434.
- SMETANA A. (2004): Subfamily Proteininae ERICHSON, 1839. — In: LÖBL I. & A. SMETANA (eds): Catalogue of Palearctic Coleoptera. Volume 2. Hydrophiloidea – Histeroidea – Staphylinidea. — Apollo Books, Stenstrup: 579-624.
- ZERCHE L. (1998): Phylogenetisch-systematische Revision der westpaläarktischen Gattung *Metopsia* WOLLASTON, 1854 (Coleoptera: Staphylinidae, Proteininae). — Beiträge zur Entomologie **48**: 3-101.

Author's addresses:

Dr. Sinan ANLAŞ  
Ege University, Sciences Faculty  
Department of Biology  
TR-35100 Bornova İzmir, Turkey  
E-mail: [sinan.anlas@gmail.com](mailto:sinan.anlas@gmail.com)

Dr. Serdar TEZCAN  
Ege University, Agriculture Faculty  
Department of Plant Protection  
TR-35100 Bornova İzmir, Turkey  
E-mail: [serdar.tezcan@ege.edu.tr](mailto:serdar.tezcan@ege.edu.tr)